TRANSFORMATION CHEAT SHEET

TRANSLATIONS

X	+	RIGHT
	-	LEFT
Y	+	RIGHT
	-	LEFT

EXAMPLE = (X-3, Y+10) MEANS GO LEFT THREE AND UP TEN

REFLECTIONS

1) FIND YOUR LINE OF REFLECTION (LOR)
2) COUNT FROM THE POINT TO THE LINE OF REFLECTION AND THEN SAME DISTANCE AND SAME DIRECTION AWAY FROM IT

X=# LOR WILL BE VERTICAL   Y=# LOR WILL BE HORIZONTAL

ROTATIONS

90^0 CC = (X,Y) BECOMES (-Y,X)

180^0 CC= (X,Y) BECOMES (-X,-Y)   ****   - MEANS OPPOSITE

270^0 CC= (X,Y) BECOMES (Y,-X)

EXAMPLE= A(2,3) 90^0CC BECOMES A'(-3,2)

DILATION

MULTIPLY BY THE SCALE FACTOR!!!

EXAMPLE WITH A SCALE FACTOR OF 10

A(2,3) BECOMES A'(20,30)